

Wings Pilot Proficiency Program

Aircraft Questionnaire

➔ Give this completed form to your Flight Instructor

Pilot's Name: _____

Certificate Number: _____ Certificate
Type: _____

Aircraft N# _____ Aircraft Make & Model: _____

Date of most recent annual: _____

Name of aircraft insurance
company: _____

Aircraft Speeds:	Weight & Balance Information	Runway Length Required
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V _x _____	Max. Gross weight _____	Take-off _____
V _y _____	Weight this flight _____	Landing _____
V _a _____	Most forward C.G. limit _____	
V _{ne} _____	Most rearward C.G. limit _____	
V _{so} _____	C.G. this flight _____	
V _{so} X 1.3 _____		

Attention CFI's!

*Retain this form for your records.
Information may be used for FAA
Wings Award and CFI renewal
requirements. Wings checklist at
end of form.*

Answer the following questions:

FUEL

1. Total fuel capacity: _____
2. Total useable fuel: _____
3. Grade of fuel: _____
4. Color of this grade of fuel: _____
5. Explain the procedure for electrically operated boost pumps (if applicable): _____

6. Explain the procedures for fuel tank selection during take-off, cruise and landing: _____

POWERPLANT

1. Type engine: _____
2. Total brake horsepower at takeoff RPM: _____
3. Type propeller: _____
4. Total oil quantity: _____
5. Minimum oil quantity: _____
6. Discuss the use of cowl flaps (if applicable): _____
7. List any limitations with regards to full or partial power operations: _____

8. Discuss hot start procedures: _____
9. Discuss problems with vapor locks: _____
10. Discuss procedures for preventing and elimination of induction system icing: _____

ELECTRICAL SYSTEM

1. What type of electrical system is installed in the aircraft? _____
2. Volts? _____ Amps? _____
3. How is overvoltage and undervoltage detected? _____
4. Where is the location of circuit breakers and fuses? _____
5. Does the aircraft have a ground service receptacle? If so, give the location. _____
6. Discuss proper use of master switch with regards to avionics power switch: _____
7. Briefly discuss proper operation of radios, audio selector panel and interior and exterior lighting: _____

RETRACTABLE LANDING GEAR SYSTEMS

1. Name all unsafe gear indications: _____
2. Discuss procedures for emergency extension of the landing gear: _____
3. Discuss procedures for a gear-up landing on a hard surface, soft surface and water: _____
4. What is the maximum speed at which you can operate the landing gear? _____
5. What is the maximum speed at which you retract the landing gear? _____
6. What is the recommended tire pressure? _____

Flight Instructor Checklist for Student completion of Wings requirements

- ☐ Safety Seminar. Subject _____
- ☐ *Flight Lesson (1.0 hour) of air-work.
- ☐ *Flight Lesson (1.0 hour) of take-offs & landings.
- ☐ *Flight Lesson (1.0 hour) Simulated IFR (hoodwork).
- ☐ "Wings Card" completed for student to turn-in for Wings Award.
- ☐ Wings Sign-off for logbook. Pre-made sign-off sticker available from FAA desk or refer to AC61-91H.
- * Refer to Wings Syllabus for detailed Objectives and Procedures.